

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Pyrus communis*

Activity	Chemical Count
Cancer-Preventive	25
Pesticide	24
Antioxidant	18
Antiarthritic	15
Hypocholesterolemic	15
Antibacterial	15
Antiinflammatory	14
Antidiabetic	14
Antiulcer	12
Cardioprotective	11
Antitumor	11
Antiatherosclerotic	11
FLavor	10
Hypoglycemic	10
Hypotensive	10
Diuretic	10
Allergenic	10
Antiseptic	10
Antiradicular	9
Antimutagenic	9
Immunomodulator	9
Vasodilator	9
Anticataract	9
Antiosteoporotic	9
Antidepressant	9
Immunostimulant	8
Antiviral	8

Activity	Chemical Count
Hepatoprotective	8
Antihypertensive	8
Antiaggregant	8
Analgesic	8
Antispasmodic	8
Essential	7
Antialzheimeran	7
Antifatigue	7
Antihistaminic	7
Anxiolytic	7
Antisyndrome-X	7
Antiacne	7
Fungicide	7
Antiencephalopathic	7
Carcinogenic	6
Antiobesity	6
AntiPMS	6
Propecic	6
Antiprostatic	6
Antimaculitic	6
Antileukemic	6
Antimetastatic	6
Antirheumatic	6
AntiHIV	6
Irritant	6
Antiparkinsonian	6
Antiherpetic	6

Activity	Chemical Count
Antiasthmatic	6
Antiplateque	5
Anticoronary	5
Antilithic	5
Antiproliferant	5
Antitumor (Breast)	5
Allelochemic	5
Antidementia	5
Antiepileptic	5
Lipoxygenase-Inhibitor	5
Antiaging	5
Anticancer	5
AntiLyme	5
Antieczemic	5
Antihepatotoxic	5
Choleretic	5
Antiinfertility	5
Antialcoholic	5
5-Alpha-Reductase-Inhibitor	5
Insectifuge	5
Xanthine-Oxidase-Inhibitor	5
Antitumor-Promoter	5
Antitumor (Lung)	5
Insulinogenic	5
Antiallergic	5
Antiedemic	5
Antitumor (Colon)	5

Activity	Chemical Count
Antihepatic	4
Anticervicaldysplastic	4
Antimenorrhagic	4
Antigastritic	4
Antineuropathic	4
Antiperiodontitic	4
Antiarrhythmic	4
Antimigraine	4
Antiosteoarthritic	4
Nephrotoxic	4
Perfumery	4
Astringent	4
Antimenopausal	4
Antianemic	4
Antialopepic	4
Antistress	4
Antilipoperoxidant	4
Antihangover	4
Laxative	4
Hemostat	4
Anticlimacteric	4
Prooxidant	4
Ornithine-Decarboxylase-Inhibitor	4
Candidicide	4
COX-2-Inhibitor	4
Anticonvulsant	4
Antiperoxidant	4

Activity	Chemical Count
Antileukotriene-D4	4
Antitumor (Prostate)	4
Cytotoxic	4
CNS-Depressant	3
Apoptotic	3
Antianginal	3
Emetic	3
Antidermatitic	3
Vulnerary	3
Antidecubitic	3
Antistroke	3
Cyclooxygenase-Inhibitor	3
Antimalarial	3
Uricosuric	3
Antitumor (Stomach)	3
Antifibrotic	3
Quinone-Reductase-Inducer	3
Anticolitic	3
Anticheilitic	3
Antitrypanosomic	3
Chemopreventive	3
Antianaphylactic	3
Antitussive	3
Calcium-Antagonist	3
Antileukotriene	3
Mutagenic	3
Antiseborrheic	3

Activity	Chemical Count
Antileishmanic	3
Antidote (Lead)	3
Anticephalagic	3
Antidandruff	3
Antinephritic	3
AntiMS	3
AntiCFS	3
Antiangiogenic	3
Antiinsomniac	3
Antimelanomic	3
Aldose-Reductase-Inhibitor	3
AntiRaynaud's	3
Antifeedant	3
Anticariogenic	3
Hypertensive	3
Anticancer	3
AntiCrohn's	3
Antiflu	3
Beta-Blocker	3
Angiotensin-Receptor-Blocker	3
Antiartherosclerotic	3
Antiandrogenic	3
NF-kB-Inhibitor	3
Antiescherichic	3
Antipellagic	3
ATPase-Inhibitor	2
MMP-9-Inhibitor	2

Activity	Chemical Count
Antitumor (Bladder)	2
Antiretinotic	2
Soap	2
NO-Inhibitor	2
Antimelanogenic	2
Antinociceptive	2
Neuroprotective	2
Antihyperlipidemic	2
AntiAGE	2
Antiencephalitic	2
Dermatitogenic	2
Tumorigenic	2
Deliriant	2
Prostaglandin-Synthesis-Inhibitor	2
Mucogenic	2
Percutaneostimulant	2
Insulin-Sparing	2
Expectorant	2
Antidote (Cadmium)	2
Circulotonic	2
Antianorectic	2
Antifibrinolytic	2
Antigingivitic	2
Antipsoriac	2
Sedative	2
Antihyperthyroid	2
Antivaginitic	2

Activity	Chemical Count
Antistomatitic	2
Antiphotophobic	2
COX-1-Inhibitor	2
Laxative?	2
Antiprostaglandin	2
Anticomplementary	2
Antitumor (Ovary)	2
Juvabional	2
Protein-Kinase-C-Inhibitor	2
Beta-Glucuronidase-Inhibitor	2
Anorexic	2
Tranquilizer	2
Collagenic	2
Antisalmonella	2
TNF-alpha-Inhibitor	2
Antioxidant?	2
Antianxiety	2
Antiglossitic	2
Cardiotonic	2
Antithiamin	2
Antipodriac	2
Litholytic	2
Antihyperkinetic	2
Antiulcerogenic	2
Nematicide	2
Antielastase	2
Antitumor (Skin)	2

Activity	Chemical Count
Antifibrosarcomic	2
Anticold	2
Mycoplasmistat	2
Antiperiodontal	2
Bacteristat	2
Anemiagenic	2
Co-carcinogenic	2
Antitumor (brain)	2
Estrogenic	2
Antidote (Aluminum)	2
Oxidant	2
Antitriglyceride	2
Antigonadotropic	2
Antiimpotence	2
Antinyctalopic	2
Antiplasmodial	2
Antimanic	2
Antihypercholesterolemic	2
Antistaphylococcic	2
Hepatotropic	2
Antineuralgic	2
Tyrosinase-Inhibitor	2
AntiEBV	2
Antipoliomyelitic	2
Mucolytic	2
Toxic	2
Antioxidant Synergist	2

Activity	Chemical Count
Antitubercular	2
Spermigenic	2
Antifibromyalgic	2
Acidulant	2
Antiglaucomic	2
Antipsychotic	2
VEGF-Inhibitor	2
Anticarcinomic	2
Lithogenic	2
Anticystitic	2
Antinitrosaminic	2
Antistreptococcic	2
Antiendometriotic	2
Antilymphomic	2
Antigallstone	2
Ubiquiot	2
Protisticide	2
Antimyocarditic	2
Mycobactericide	2
Colorant	2
Antileptic	2
Anticirrhotic	1
Antimorphinic	1
Androgenic?	1
Antischizophrenic	1
TOPO-2-Inhibitor	1
Antidote (Mercury)	1

Activity	Chemical Count
Antiozenic	1
Pancreatoxic	1
Antiaphthic	1
Antiischemic	1
Inotropic	1
Polyamine-Synthesis-Inhibitor	1
Memorigenic	1
Alpha-Reductase-Inhibitor	1
AntiGTF	1
Teratologic	1
Antidote (Acetaminophen)	1
Antiotitic	1
Choline-Sparing	1
Osteolytic	1
Antitinnitic	1
Ileorelaxant	1
Lubricant	1
Aldehyde-Oxidase-Inhibitor	1
Antiglycosuric	1
Antiophidic	1
Cardiotoxic	1
Antielus?	1
Antithrombic	1
Anticardiospasmic	1
Antiviral?	1
Antiprostatotic	1
Disinfectant	1

Activity	Chemical Count
Schizophrenigenic	1
Antialdosteronic	1
Hypercholesterolemic	1
Uterorelaxant	1
Antienteritic	1
Anticancer (Esophagus)?	1
Antiuremic	1
Leukotriene-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	1
Neoplastic	1
Antihyperammonemic	1
AntiSpina-Bifida	1
Hepatotoxic	1
Antipharyngitic	1
Copper-Antagonist	1
Piscicide	1
AntiBPH	1
Larvostat	1
Antinephrolytic	1
Bruchifuge	1
Myorelaxant	1
Antiacrodermatitic	1
Antisickling	1
Hemopoietic	1
Antidysphagic	1
Comedolytic	1

Activity	Chemical Count
Antiatheromic	1
Antileukonychic	1
Antitumor (Gastric)	1
Interleukin-6-mRNA-Inhibitor	1
Antipolio	1
Anticlaudificant?	1
Beta-Adrenergic Receptor Blocker	1
Anesthetic	1
Antihepatomic	1
Antiscorbutic	1
Gastroprotective	1
Topoisomerase-II-Inhibitor	1
Antidote (Paraquat)	1
Antipapillomic	1
Cold-preventive	1
Antikeshan	1
Proliferant	1
Artemicide	1
Metal-Chelator (Copper)	1
Anabolic	1
Antiheartburn	1
Antirheumatic?	1
Thymoprotective	1
P450-Inducer	1
Antiinsomniac?	1
Antimelasmic	1
Lymphocytogenic	1

Activity	Chemical Count
Antigout	1
Antiretardation	1
Energizer	1
Spermicide	1
Antidiabetic?	1
Odontolytic	1
Antiinfarctal	1
Antithyrotropic	1
Anticarpal-Tunnel	1
ACE-Inhibitor	1
DNA-Active	1
Neurotransmitter	1
Antialkalotic	1
Hypoammonemic	1
Vasopressor	1
Anticarcinogenic	1
Antimastalgic	1
Retinoprotectant Optometry	1
AntiCTS	1
AntiNF-kB	1
Cancer-Preventive?	1
Antihyperglycemic	1
Herbicide	1
Urinary-Antiseptic	1
Antiencephalopathic?	1
Antifuruncular	1
Detoxicant (Alcohol)	1

Activity	Chemical Count
Antineuramidase	1
Narcotic	1
Antiadenoviral	1
Antihomocystinuric	1
Antispasmodic	1
Hepatocarcinogenic	1
Tyrosine-Kinase-Inhibitor	1
Antipermeability	1
COMT-Inhibitor	1
Phagocytotic	1
Antibackache	1
Antipolyneuritic	1
Deodorant	1
Anticoagulant	1
Antimyelotoxic	1
Glutathionigenic	1
Antidyskinetic	1
Antiparotitic	1
Antitumor (CNS)	1
Interferon-Synergist	1
Cytoprotective	1
Anticholestatic	1
Antimitral-valve-prolapse	1
Metastatic	1
Androgenic	1
Antihemorrhagic	1
Fistula-Preventive	1

Activity	Chemical Count
CNS-Active	1
Pancreatogenic	1
Antiinsulinogenic	1
iNOS-Inhibitor	1
Plasmodicide	1
Aphrodisiac	1
Mast-Cell-Stabilizer	1
Alpha-Amylase-Inhibitor	1
Antigrey	1
Antiretinopathic	1
Erythrocytogenic	1
Sunscreen	1
Antidiscotic	1
Antiosteotic	1
Osteogenic	1
Antitic	1
Hypouricemic	1
Adjuvant	1
Antipyretic	1
Elastase-Inhibitor	1
Sialogogue	1
Antidepressant?	1
Antionychyotic	1
NO-Genic	1
Antiichthyotic	1
Verrucolytic	1
Antiestrogenic	1

Activity	Chemical Count
Anticarcinomic (Breast)	1
Antimeasles	1
Antigastric	1
Differentiator	1
Scabicide	1
Antinitrosic	1
Capillariprotective	1
Neuroinhibitor	1
HIV-RT-Inhibitor	1
Urine-Deodorant	1
Antiendotoxic	1
Antiplantar	1
Cyanogenic	1
Anticancer (Colon)	1
Leucocytogenic	1
Anticorneotic	1
Antineuritic	1
Calmodulin-Antagonist	1
Antiaflatoxin	1
Antihyperactivity	1
Antispasmophilic	1
Ulcerogenic	1
Antipertussive	1
Convulsant	1
Phytohormonal	1
Antiberiberi	1
Keratolytic	1

Activity	Chemical Count
Antiprolactin	1
Depressant	1
PTK-Inhibitor	1
Bradycardiac	1
Antiherpetic?	1
Antishingles	1
Hemolytic	1
Trypanocide	1
Antidyspeptic	1
Comedogenic	1
Peroxynitrite-Scavenger	1
Antiatherogenic	1
Antitumor (Esophagus)?	1
Interleukin-1-alpha-Inhibitor	1
Deiodinase-Inhibitor	1
Prostaglandin-Sparer	1
Anticirrhotic?	1
Monoamine-Precursor	1
Antihepatoadenomic	1
Antisclerodermic	1
Topoisomerase-I-Inhibitor	1
Antidote (Paracetamol)	1
Antipancreatic	1
Parasiticide	1
Antiarabiflavinotic	1
Antikeratitic	1
Potassium-Sparing	1

Activity	Chemical Count
Aromatase-Inhibitor	1
Metal-Chelator	1
Amphiglycemic?	1
Testosteronigenic	1
Antiototic	1
Cholinergic	1
Antixerophthalmic	1
Lyase-Inhibitor	1
Encephalopathic	1
Sodium-Sparing	1
Antiorchitic	1
Catabolic	1
NO-Synthase-Inhibitor	1
Antiamblyopic	1
Antithromboxane	1
Hypolipidemic	1
Acarifuge	1
Antigastrotic	1
Antipruritic	1
Scolicide	1
Antideliriant	1
Cardiomyopathogenic	1
Neurotoxic	1
Antialkali?	1
Antisunburn	1
Antienterotic	1
Antivaccinia	1

Activity	Chemical Count
Lipotropic	1
Antineurotic	1
NEP-Inhibitor	1
Urinary-Acidulant	1
Antiphenylketonuric	1
Copper-Chelator	1
Pituitary-Stimulant	1
Anticalculic	1
Antilupus	1
Antiproliferative	1
Detoxicant	1
Refrigerant	1
Anticomplement	1
Bruchiphobe	1
NADH-Oxidase-Inhibitor	1
Antiacrodynic	1
Antisilicotic	1
Antiperistaltic	1
COMP-Inhibitor	1
PGE2-Inhibitor	1
Antileukoplakic	1
Demulcent	1
Protease-Inhibitor	1
Antimyalgic	1
Antihepatotic	1
Antiscotomic	1
Glucosyl-Transferase-Inhibitor	1

Activity	Chemical Count
Antidysgeuzic	1
Collagen-Sparing	1
Perfume	1
AntiLegionella	1
Antitumor (Cervix)	1
Cytochrome-P450-1A2-Inhibitor	1
Antichilblain	1
Antimitotic	1
Asthma-preventive	1
Metalloproteinase-Inhibitor	1
Antihemolytic	1
Antirhinitic	1
Fibrinolytic	1
Tinnitigenic	1
Antidote (Hypoglycin-A)	1
Clastogenic	1
P450-Inhibitor	1
Antianorexic	1
Antiinsomnic	1
Immunosuppressant	1
AntiMeniere's	1
AP-1-Inhibitor	1
MAO-A-Inhibitor	1
Antigranular	1
Antiretinitic Optometry	1
Ergogenic	1
Antidiarrheic	1

Activity	Chemical Count
Cholagogue	1
Antiinfective	1
Antithyroid	1
Hypotriglyceridemic	1
DNA-Protective	1
Serotonergic	1
Antiobesity?	1
Cardioprotective?	1
Antihypoglycemic	1
AntiTGF-beta	1
Hypoarginanemic	1
Antipneumonic	1
Antimastitic	1
Antivertigo	1
Diaphoretic?	1
Roborant	1
Neuroexcitant	1
Antiakathisic	1
Antihyperkeratotic	1
Histamine-Inhibitor	1
Urine-Acidifier	1
Antipityriasic	1
Anticancer (Breast)	1
Leptogenic	1
11B-HSD-Inhibitor	1
Antiprostanoid	1
Antineurasthenic	1

Activity	Chemical Count
Calcium-Channel-Blocker	1
Natriuretic	1
Antiadrenalinic	1
Antihydrophobic	1
Hepatomagenic	1
Contraceptive	1
Phospholipase-Inhibitor	1
Keratitigenic	1
Antiporphyrin	1
Depigmentor	1
Anticoeliac	1
Bitter	1
Antiacid	1
Hematopoietic	1
Trichomonocidal	1
Antidysmenorrheic	1
Peristaltic	1
Interferonogenic	1
Prostaglandinogenic	1